

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US 02/25133

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 A61M39/10 F16L17/035 A61B17/32

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 A61M F16L A61B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 713 878 A (COFFIN C RONALD ET AL) 3 February 1998 (1998-02-03) cited in the application column 2, line 39 -column 3, line 18; figures 1-3	1-36
Y	FR 2 094 507 A (PERROT FRANCE) 4 February 1972 (1972-02-04) column 2, line 28 - line 31; figure 1 column 3, line 11 - line 13 column 4, line 1 - line 5	1-36
A	FR 1 241 277 A (LORRAINE DES PROCEDES BAUER SO) 16 September 1960 (1960-09-16) the whole document  -/-	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

20 November 2002

Date of mailing of the international search report

10/12/2002

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3 583 710 A (BURELLE PIERRE R) 8 June 1971 (1971-06-08) abstract; figures ---	
A	GB 651 836 A (WALTER OLIVER BEYER) 11 April 1951 (1951-04-11) -----	

## INTERNATIONAL SEARCH REPORT

information on patent family members

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5713878	A	03-02-1998	WO 9640343 A1	19-12-1996
FR 2094507	A	04-02-1972	FR 2094507 A5	04-02-1972
FR 1241277	A	16-09-1960	NONE	
US 3583710	A	08-06-1971	NONE	
GB 651836	A	11-04-1951	NONE	